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                                            Visualization, 2001. VIS '01. Proceedings
                                            21-26 Oct. 2001 Page(s):151 - 553

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                                        ☐   3. **Development of a planar three-component velocimeter using Doppler global velocimetry (DC**
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                                            Instrumentation in Aerospace Simulation Facilities, 2001. 19th International Congress on ICIASF 2(
                                            27-30 Aug. 2001 Page(s):211 - 218
                                            Digital Object Identifier 10.1109/ICIASF.2001.960253

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                                        ☐   4. **Fluid mechanics and mass transport analysis in stenosed carotid arteries**
                                            Yutong Liu; Udaykumar, H.; Nagaraj, A.; Hamilton, A.; McPherson, D.D.; Chandran, K.B.;
                                            [Engineering in Medicine and Biology, 2002. 24th Annual Conference and the Annual Fall Meeting
                                            Engineering Society] EMBS/BMES Conference, 2002. Proceedings of the Second Joint
                                            Volume 2, 23-26 Oct. 2002 Page(s):1309 - 1310 vol.2
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Visualization and Computer Graphics, IEEE Transactions on
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Holmes, D.; Green, N.G.; Morgan, H.;
Engineering in Medicine and Biology Magazine, IEEE
Volume 22, Issue 6, Nov.-Dec. 2003 Page(s):85 - 90
Digital Object Identifier 10.1109/MEMB.2003.1266051

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☐ 4. **Blood flow in stented coronary artery : numerical fluid dynamics analysis**
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Volume 2, 8-12 June 2003 Page(s):1566 - 1569 vol.2

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8. A tetrahedra-based stream surface algorithm
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Cortez, R.; Fauci, L.; Cowen, N.; Dillon, R.;
Computing in Science & Engineering [see also IEEE Computational Science and Engineering]
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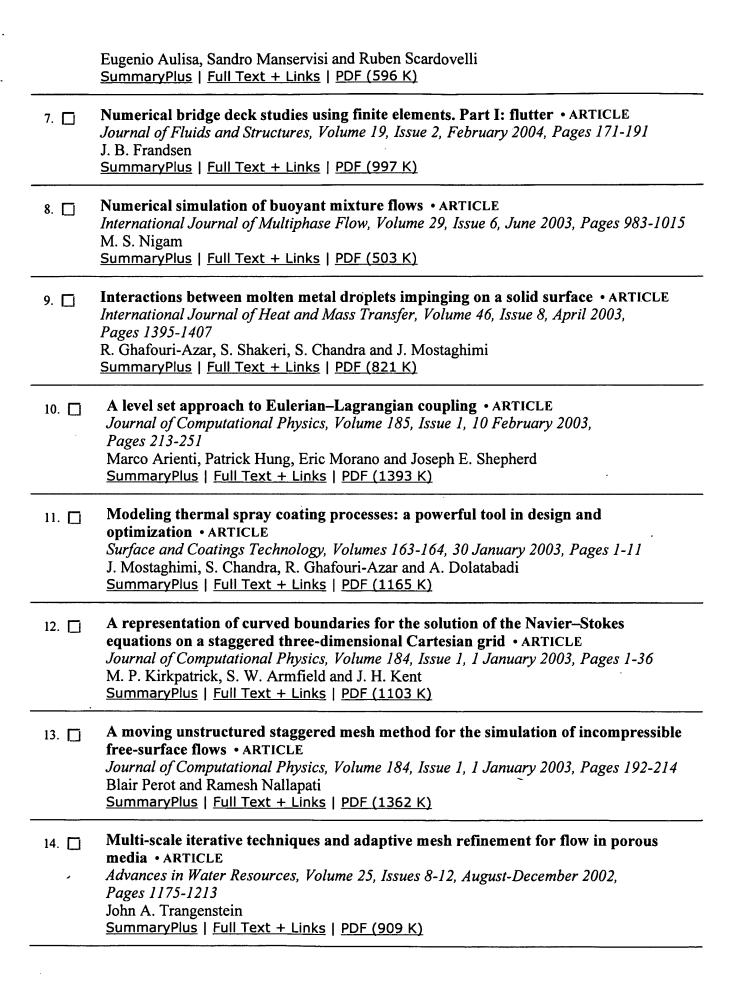Rights and Permissions

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J. G. Blom and J. G. Verwer
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Michael L. Merritt
Abstract

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E. L. Vold, F. Najmabadi and R. W. Conn
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PGPUB-DOCUMENT-NUMBER: 20050240384
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050240384 A1

TITLE: Method for modeling complex occlusions in fluid simulations

PUBLICATION-DATE: October 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Houston, Benjamin B.	Winnipeg		CA
Wiebe, Mark	Winnipeg		CA

US-CL-CURRENT: 703/9

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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PGPUB-DOCUMENT-NUMBER: 20050165289
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050165289 A1

TITLE: Method of and apparatus for assessing the effect of a conduit on flow characteristics of a first fluid

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Houston, John Graeme	Central Scotland		GB
Stonebridge, Peter Arno	Scotland		GB
Dick, John, Bruce Cameron	Scotland		GB
Hood, Robert Gordon	Scotland		GB
Johnstone, Allana	Central Scotland		GB
Sarran, Christophem Emmanuel	Central Scotland		GB

Duff, Craig McLeod   Scotland   GB

US-CL-CURRENT: <u>600/407</u>; <u>600/419</u>, <u>600/437</u>

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PGPUB-DOCUMENT-NUMBER: 20050128195
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DOCUMENT-IDENTIFIER: US 20050128195 A1

TITLE: Method for converting explicitly represented geometric surfaces into accurate level sets

PUBLICATION-DATE: June 16, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Houston,</u> Benjamin B.	Winnipeg		CA
Wiebe, Mark	Winnipeg		CA

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☐ 1. Document ID: US 20060074610 A1

L5: Entry 1 of 13   File: PGPB   Apr 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060074610
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060074610 A1

TITLE: Apparatus and method of simulating the movement of elements through a region of 3D space

PUBLICATION-DATE: April 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rasmussen; Nicholas Grant	San Rafael	CA	US
Fedkiw; Ronald Paul	Sunnyvale	CA	US

US-CL-CURRENT: 703/2

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 20060070434 A1

L5: Entry 2 of 13   File: PGPB   Apr 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060070434
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060070434 A1

TITLE: 2D central difference level set projection method for ink-jet simulations

PUBLICATION-DATE: April 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yu; Jiun-Der	Sunnyvale	CA	US

US-CL-CURRENT: 73/152.18

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3. Document ID: US 20050253854 A1

L5: Entry 3 of 13   File: PGPB   Nov 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050253854
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050253854 A1

TITLE: Method and system for performing computer graphic simulation of a fluid
using target-driven control

PUBLICATION-DATE: November 17, 2005

INVENTOR-INFORMATION:
NAME   CITY   STATE   COUNTRY
Lischinski, Daniel   Jerusalem   IL
Fattal, Raanan   Jerusalem   IL

US-CL-CURRENT: 345/474

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4. Document ID: US 20050243117 A1

L5: Entry 4 of 13   File: PGPB   Nov 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050243117
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050243117 A1

TITLE: Divergence filters on quadrilateral grids for ink-jet simulations

PUBLICATION-DATE: November 3, 2005

INVENTOR-INFORMATION:
NAME   CITY   STATE   COUNTRY
Yu, Jiun-Der   Sunnyvale   CA   US

US-CL-CURRENT: 347/19

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5. Document ID: US 20050240384 A1

L5: Entry 5 of 13   File: PGPB   Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050240384
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050240384 A1

TITLE: Method for modeling complex occlusions in <u>fluid simulations</u>

PUBLICATION-DATE: October 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Houston, Benjamin B.	Winnipeg		CA
Wiebe, Mark	Winnipeg		CA

US-CL-CURRENT: <u>703/9</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6. Document ID: US 20050182603 A1

L5: Entry 6 of 13   File: PGPB   Aug 18, 2005

PGPUB-DOCUMENT-NUMBER: 20050182603
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050182603 A1

TITLE: N-phase interface tracking method utilizing unique enumeration of microgrid <u>cells</u>

PUBLICATION-DATE: August 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freitas, Christopher J.	San Antonio	TX	US
Clarke, Mary Ann	San Antonio	TX	US

US-CL-CURRENT: <u>703/2</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7. Document ID: US 20050046649 A1

L5: Entry 7 of 13   File: PGPB   Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050046649
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050046649 A1

TITLE: Consistent back <u>pressure</u> for piezoelectric ink-jet simulation

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yu, Jiun-Der	Sunnyvale	CA	US

Sakai, Shinri   Suwa-shi   JP

US-CL-CURRENT: <u>347/6</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 8.   Document ID: US 20040181383 A1
L5: Entry 8 of 13   File: PGPB   Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040181383
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040181383 A1

TITLE: Coupled quadrilateral grid level set scheme for piezoelectric ink-jet
simulation

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yu, Jiun-Der	Sunnyvale	CA	US
Sakai, Shinri	Suwa-shi		JP

US-CL-CURRENT: <u>703/9</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 9.   Document ID: US 20030060988 A1
L5: Entry 9 of 13   File: PGPB   Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030060988
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030060988 A1

TITLE: Method and apparatus for computing an interface of a fluid in a space

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ginzburg, Irina	Kaiserslautern		DE

US-CL-CURRENT: <u>702/50</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 10.   Document ID: US 6266071 B1

L5: Entry 10 of 13   File: USPT   Jul 24, 2001

US-PAT-NO: 6266071
DOCUMENT-IDENTIFIER: US 6266071 B1

TITLE: Method of producing fluid-like animations using a rapid and stable solver
for the Navier-Stokes equations

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Stam; Jos	Seattle	WA		
Brinsmead; Duncan	Ontario			CA

US-CL-CURRENT: 345/473

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 11.   Document ID: US 6089744 A

L5: Entry 11 of 13   File: USPT   Jul 18, 2000

US-PAT-NO: 6089744
DOCUMENT-IDENTIFIER: US 6089744 A

TITLE: Computer simulation of physical processes

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Hudong	Newton	MA		
Hoch, Jr.; James E.	Harvard	MA		
Teixeira; Christopher M.	Cambridge	MA		

US-CL-CURRENT: 703/2; 703/9

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 12.   Document ID: US 5953239 A

L5: Entry 12 of 13   File: USPT   Sep 14, 1999

US-PAT-NO: 5953239
DOCUMENT-IDENTIFIER: US 5953239 A

TITLE: Computer simulation of physical processes

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Teixeira; Christopher M.	Cambridge	MA		
Chen; Hudong	Newton	MA		
Molvig; Kim	Concord	MA		

US-CL-CURRENT: 703/<u>6</u>; 703/<u>2</u>, 703/<u>5</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D: |

☐ 13.   Document ID: US 5801969 A

L5: Entry 13 of 13   File: USPT   Sep 1, 1998

US-PAT-NO: 5801969
DOCUMENT-IDENTIFIER: US 5801969 A
** See image for **Certificate of Correction** **

TITLE: Method and apparatus for computational fluid dynamic analysis with error estimation functions

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nagahama; Yoshinori	Kawasaki			JP

US-CL-CURRENT: 703/<u>9</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D: |

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Term	Documents
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ADVECTIONS	8
PRESSURE	1846316
PRESSURES	335276
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(L4 AND (ADVECTION AND PRESSURE)).PGPB,USPT.	13

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